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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,624	12/04/2003	Ali Alavi	53470.003060	5743
21967	7590	08/13/2004	EXAMINER	
HUNTON & WILLIAMS LLP INTELLECTUAL PROPERTY DEPARTMENT 1900 K STREET, N.W. SUITE 1200 WASHINGTON, DC 20006-1109			WU, YICUN	
			ART UNIT	PAPER NUMBER
			2175	
DATE MAILED: 08/13/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<p align="center">Office Action Summary</p>	Application No. 10/726,624	Applicant(s) ALAVI ET AL.	
	Examiner Yicun Wu	Art Unit 2175	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date 12/4/03

- 4) ☐ Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DIANE D. MIZRAHI
 PRIMARY PATENT EXAMINER
 TECHNOLOGY CENTER 2100

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III. DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thompson et al. (U.S. Patent 6,668,253) in view of Brooke et al. (U.S. Patent 6,748,569).

As to Claim 1, Thompson et al. discloses a web interface system for use with a business information system, the web interface system providing an interface to a user and comprising:

a first set of HTML interface tools located on a business intelligence server (Fig. 1) the first set of HTML interface tools including at least one of spreadsheet tools, graphing tools, auto-prompt tools, and report generation and management tools (i.e. report generation/data retrieval) (Fig. 1);

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second set of HTML interface tools located on a web server (i.e. web server) (Fig. 1), the second set of HTML interface tools including at least one of navigation tools (Fig. 2); and

means for providing communication between the business intelligence server, the web server, and the user, such that the user is able to utilize the first set of HTML interface tools and the second set of HTML interface tools (Fig. 1-2).

Thompson et al. does not teach internationalization tools.

Brooke et al. teach internationalization tools (XML supports European, Middle Eastern, African, and Asian languages, and all conforming processors support the Unicode character set encodings) (col. 2, lines 5-9).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Thompson et al. with internationalization tools.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Thompson et al. by the teaching of Brooke et al. because providing internationalization tools allows the improvements of flexibility, as taught by Brooke et al. (col. 3, lines 11-12).

As to Claim 2, Thompson et al. as modified

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teaches a Web interface system wherein

the first set of HTML interface tools located on the business intelligence server obtains results through communication with a plurality of storage facilities (Thompson et al. Fig. 9).

As to Claim 3, Thompson et al. as modified teaches a Web interface system wherein

the plurality of storage devices includes cache files, object-data, and a data warehouse (Thompson et al. Fig. 9 and col. 31, line 55).

As to Claim 4, Thompson et al. as modified teaches a Web interface system wherein

the auto-prompting tools comprise means for enabling a client to specify filtering criteria (i.e. EIM provides the ability to create user definable parameters for querying the data warehouse and filtering information) (Thompson et al. col. 10, lines 1-16).

As to Claim 5, Thompson et al. as modified teaches a Web interface system wherein

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the auto-prompting tools additionally comprise DHTML tools
(i.e. generate the DHTML necessary for the EIM application)
(Thompson et al. col. 31, lines 1-5).

As to Claim 6, Thompson et al. as modified teaches a Web
interface system wherein

the report generation and management tools comprise means
for enabling the user to specify the full report to be viewed
(Thompson et al. Fig. 2).

As to Claim 7, Thompson et al. as modified teaches a Web
interface system wherein

the report generation and management tools additionally
comprise pull-down menus in HTML (Thompson et al. Fig. 2-8).

As to Claim 8, Thompson et al. as modified teaches a Web
interface system wherein

the report generation and management tools comprise DHTML
or HTML pivoting tools for enabling movement of attributes
within an executed report (Thompson et al. col. 21, lines 7-67).

As to Claim 9, Thompson et al. as modified teaches a Web
interface system wherein

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the spreadsheet tools comprise means for providing features to the user including at least one of pop-up menus for controlling, drilling, outlining, sorting, and formatting options (i.e. a so-called "outline mode" provides the ability to view data hierarchically showing subtotals at chosen levels of detail) (Thompson et al. col. 9, lines 35-42).

As to Claim 11, Thompson et al. as modified teaches a Web interface system wherein

additional HTML spreadsheet functions provided on the web server (i.e. spreadsheet) (Thompson et al. col. 9, lines 35-42).

As to Claim 12, Thompson et al. as modified teaches a Web interface system wherein

the graphing tools comprise means for generating a graph inside of the business intelligence server and creating a file for transmitting to the web server computer for insertion of the graph into HTML (graph... delivered by EIM is preferably through Dynamic HTML pages.) (Thompson et al. col. 30, lines 52-59).

As to Claim 13, Thompson et al. as modified teaches a Web interface system wherein

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the internationalization tools comprise means for communicating in one of a plurality of languages (Brooke et al. col. 2, lines 5-9).

As to Claim 13, Thompson et al. as modified teaches a Web interface system wherein

the navigation tools comprise means for simultaneous display of toolbars, menus, and a grid to the user (Thompson et al. Fig. 3-8).

As to Claim 14, Thompson et al. discloses a method for providing a web interface for a user-through the use of a web server and a business intelligence server, the method comprising the steps of,

loading a first set of HTML interface tools on the business intelligence server (Fig. 1), the first set of HTML interface tools including at least one of spreadsheet tools, graphing tools, auto-prompt tools (i.e. report generation/data retrieval) (Fig. 1), and

report generation and management tools; loading a second set of HTML interface tools located on the web server (i.e. web server) (Fig. 1), the second set of HTML interface tools including at least one of navigation tools (Fig. 2); and

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providing communication means between the business intelligence server, the web server, and the user, such that the user is able to utilize the first set of HTML interface tools and the second set of HTML interface tools (Fig. 1-2).

Thompson et al. does not teach internationalization tools.

Brooke et al. teach internationalization tools (XML supports European, Middle Eastern, African, and Asian languages, and all conforming processors support the Unicode character set encodings) (col. 2, lines 5-9).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Thompson et al. with internationalization tools.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Thompson et al. by the teaching of Brooke et al. because providing internationalization tools allows the improvements of flexibility. as taught by Brooke et al. (col. 3, lines 11-12).

As to Claim 15, Thompson et al. as modified teaches a method further comprising the step of providing

a plurality of storage devices for communication with the first set of HTML interface tools on the business intelligence

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server, wherein the plurality of storage devices includes cache files, object data, and a data warehouse (Thompson et al. Fig. 9 and col. 31, line 55).

As to Claim 16, Thompson et al. as modified teaches a method further comprising the step of

loading the first set of HTML interface tools comprises loading DHTML auto-prompting tools having means for enabling the user to specify filtering criteria (i.e. EIM provides the ability to create user definable parameters for querying the data warehouse and filtering information) (Thompson et al. col. 10, lines 1-16).

As to Claim 17, Thompson et al. as modified teaches a method wherein the step of loading the first set of HTML interface tools comprises loading means for enabling the user to specify the full report to be viewed and means for providing pull-down menus in HTML (Thompson et al. Fig. 2).

As to Claim 18, Thompson et al. as modified teaches a method wherein the step of loading the first set of HTML interface tools comprises loading DHTML or HTML pivoting tools

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for enabling movement of attributes within an executed report
(Thompson et al. col. 21, lines 7-67).

As to Claim 19, Thompson et al. as modified teaches a method wherein the step of loading the first set of HTML interface tools comprises loading means

for displaying features to the user, the features including pop-up menus for controlling drilling, outlining, sorting, and formatting options (i.e. a so-called "outline mode" provides the ability to view data hierarchically showing subtotals at chosen levels of detail) (Thompson et al. col. 9, lines 35-42).

As to Claim 20, Thompson et al. as modified teaches a method further comprising loading additional HTML spreadsheet functions provided on the web server (i.e. a so-called "outline mode" provides the ability to view data hierarchically showing subtotals at chosen levels of detail) (Thompson et al. col. 9, lines 35-42).

Prior Art Made of Record

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Livingston et al. (U.S. Patent No. 6,424,979);

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Bakalash et al. (U.S. Patent No. 6,408,292); and

Chen (U.S. Patent No. 6,363,353);

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Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yicun Wu whose telephone number is 703-305-4889. The examiner can normally be reached on 8:00 am to 4:30 pm, Monday -Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7238 for regular communications and 703-746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Yicun Wu
Patent Examiner
Technology Center 2100

August 8, 2004

DIANE L. MIZRAH
PRIMARY PATENT EXAMINER
TECHNOLOGY CENTER 2100